

What is claimed is:

1. A measuring method for the organic carbon content characterized in causing a test liquid to flow into the oxidizing process vessel and stopping the irradiation after the UV light has irradiated this test liquid for a predetermined time; measuring the base conductivity prior to commencement of the lighting of said UV light and the maximum conductivity after irradiation has stopped in a conductivity detecting means provided in proximity to the exit of said oxidizing vessel; and finding the organic carbon content of the test liquid from the difference between this base conductivity and maximum conductivity, wherein the rate of flow F of the test liquid that flows through said oxidizing vessel, the volume V of the part of the oxidizing vessel irradiated by the UV light upstream from said conductivity detecting means, and the irradiation time T of the UV light have the relationship $F \leq V / T$. *inherent?*

2. A measuring method for organic carbon content according to Claim 1 characterized in the test liquid in said oxidizing vessel being exchanged by increasing the rate of flow at which the test liquid passes through the oxidizing vessel after this maximum conductivity is measured by said conductivity detecting means.

3. A measuring method for organic carbon content according to claim 1 characterized in using a photocatalyst to promote the UV oxidation of the organic carbon in said test liquid.

4. A measuring method for organic carbon content according to Claim 1 characterized in outputting a warning when that the amount of UV light is measured and

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a flow rate control means that controls the rate of flow F such that the rate of flow F at which the test liquid passes through said oxidizing process vessel, the volume V of the part of said oxidizing process vessel irradiated by the UV light that is upstream from said conductivity detecting means, and the irradiation time T of the UV light have the relationship $F \leq V / T$.

7. A measuring apparatus for organic carbon content according to Claim 5

characterized in providing a photocatalyst for promoting the UV oxidization of the organic carbon in the test liquid in said oxidizing process vessel.

object

8. A measuring apparatus for organic carbon content according to Claim 7 characterized in said oxidizing process vessel having an inner tube comprising a material that substantially transmits UV light and an outer tube, and is a two-layer pipe structure in which the test liquid passes through the oxidizing vessel between the outer tube and the inner tube, the inside of the outer tube is covered with photocatalyst, and said UV light source is disposed within said inner tube side.

object

object

9. A measuring apparatus for organic carbon content according to Claim 7 characterized in said oxidizing process vessel having an outer tube and an inner tube comprising a material that substantially transmits UV light, and is a two-layer pipe structure in which the test liquid passes through the oxidizing vessel between an outer tube and an inner tube, the inside of the outer tube is covered with photocatalyst, and said inner tube is formed from the outer tube of said UV light source.

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10. A measuring method for organic carbon content according to Claim 7 characterized in providing a photometer that measures the amount of UV light from the UV light source.

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11. A measuring method for organic carbon content according to Claim 5 characterized in having a means for confirming the rate of flow F of the test liquid in said oxidizing process vessel.